

Figure 1

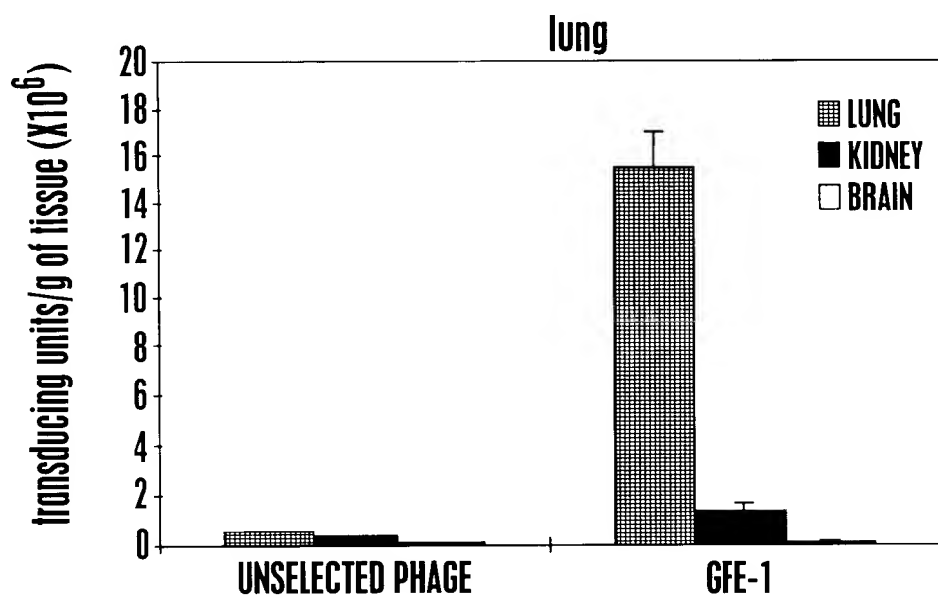


Figure 2A

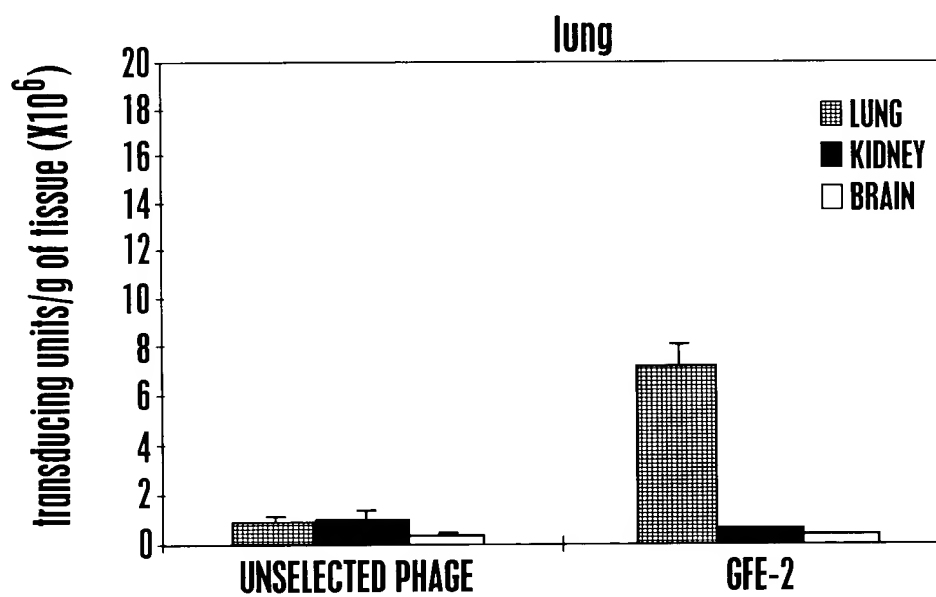


Figure 2B

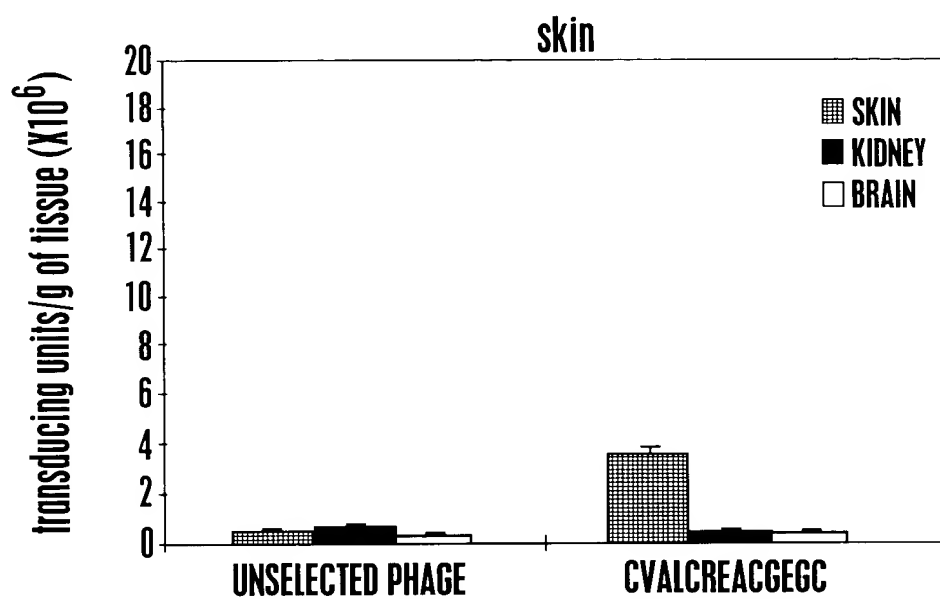


Figure 2C

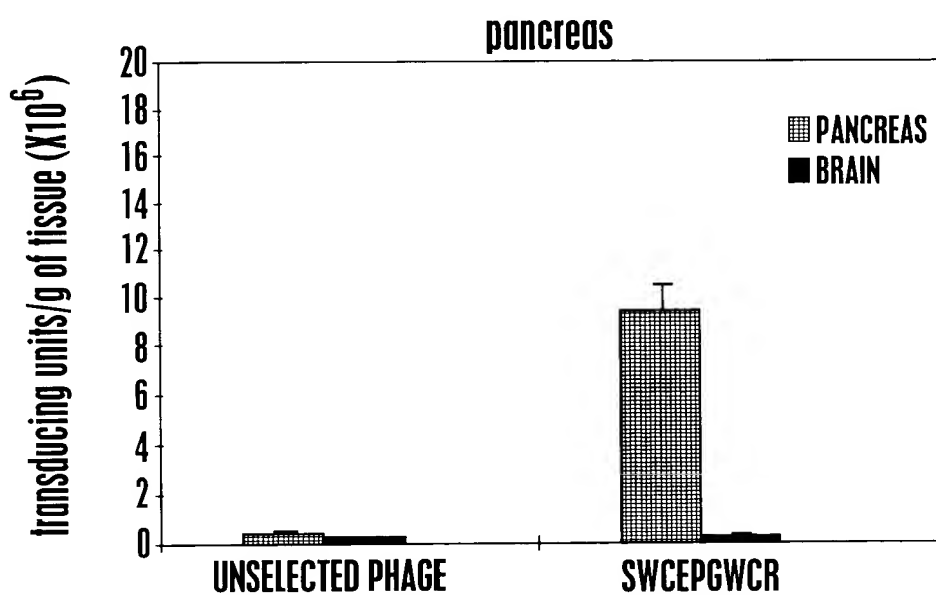


Figure 2D

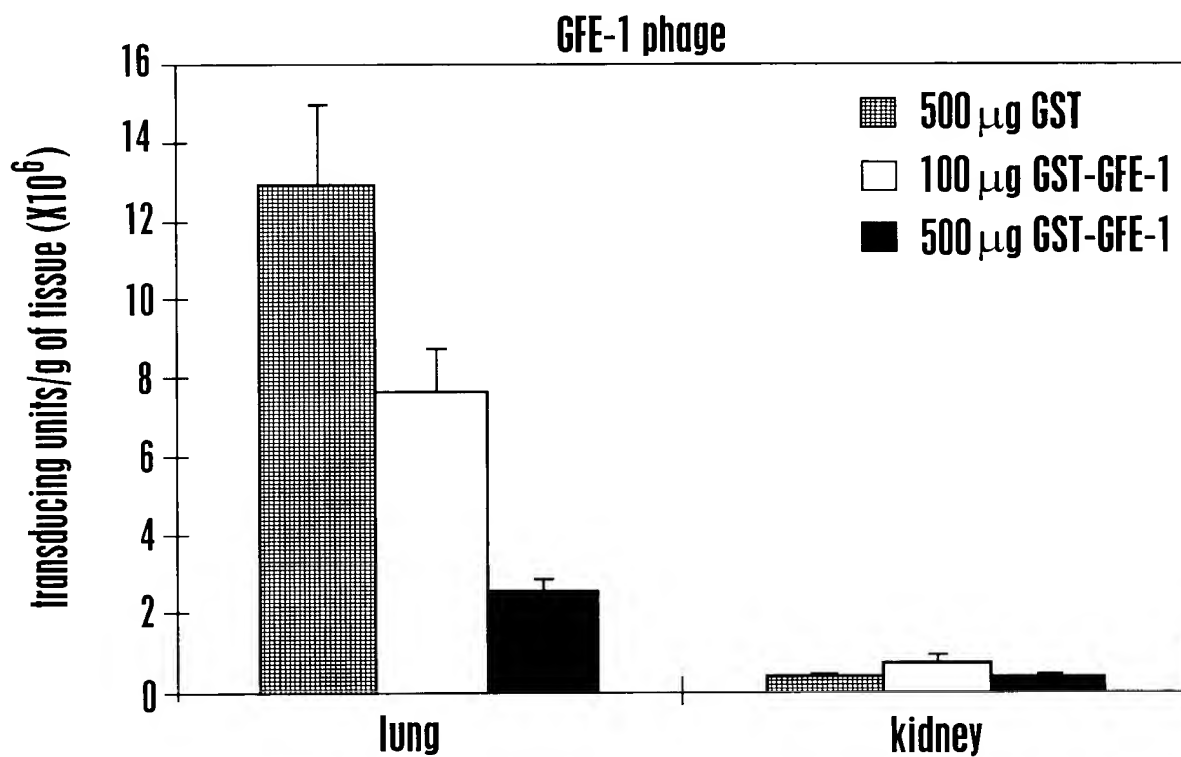


Figure 3A

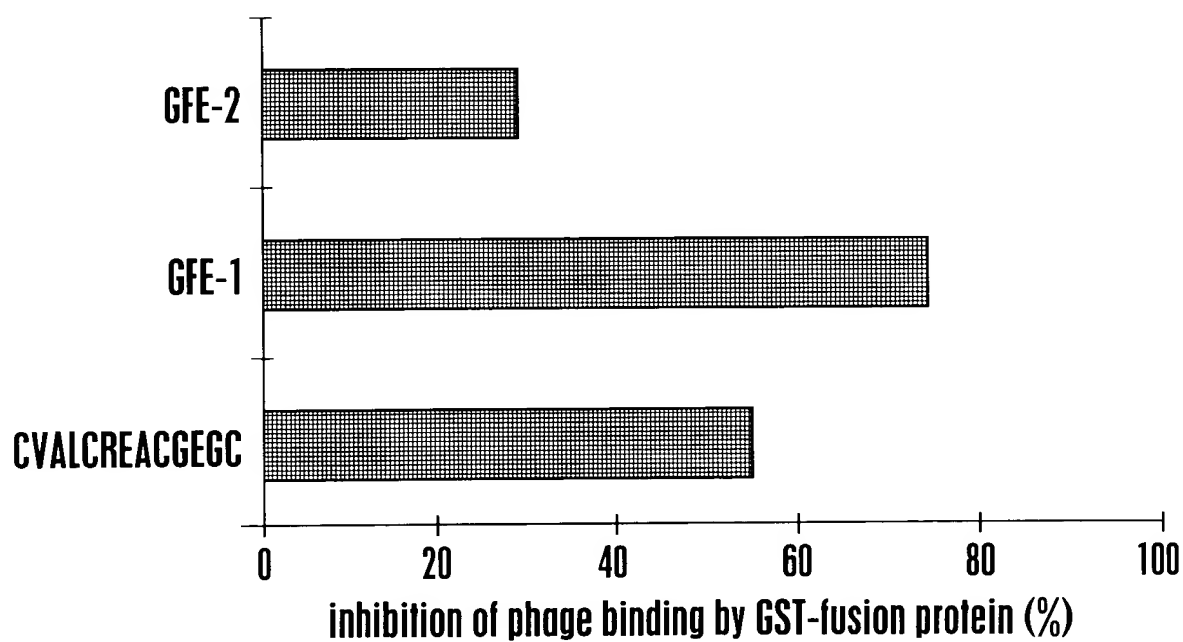
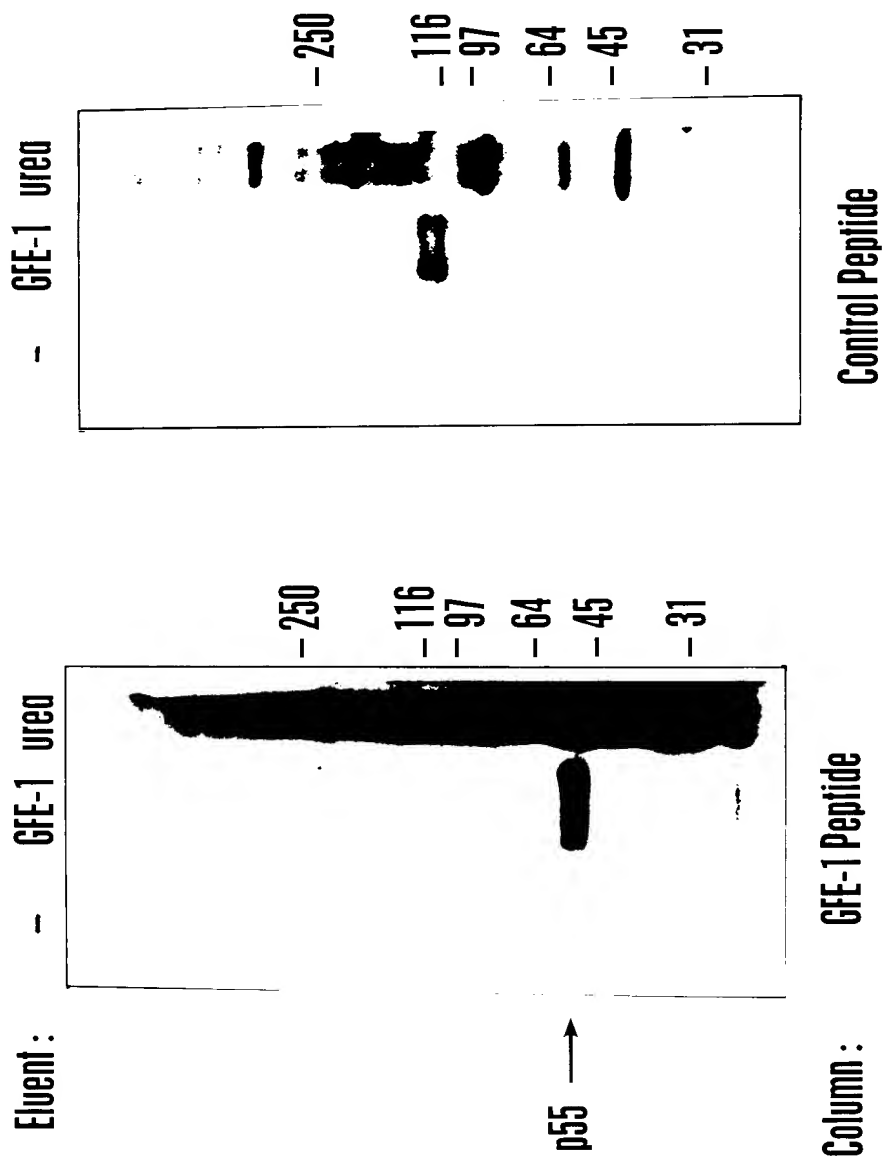


Figure 3B



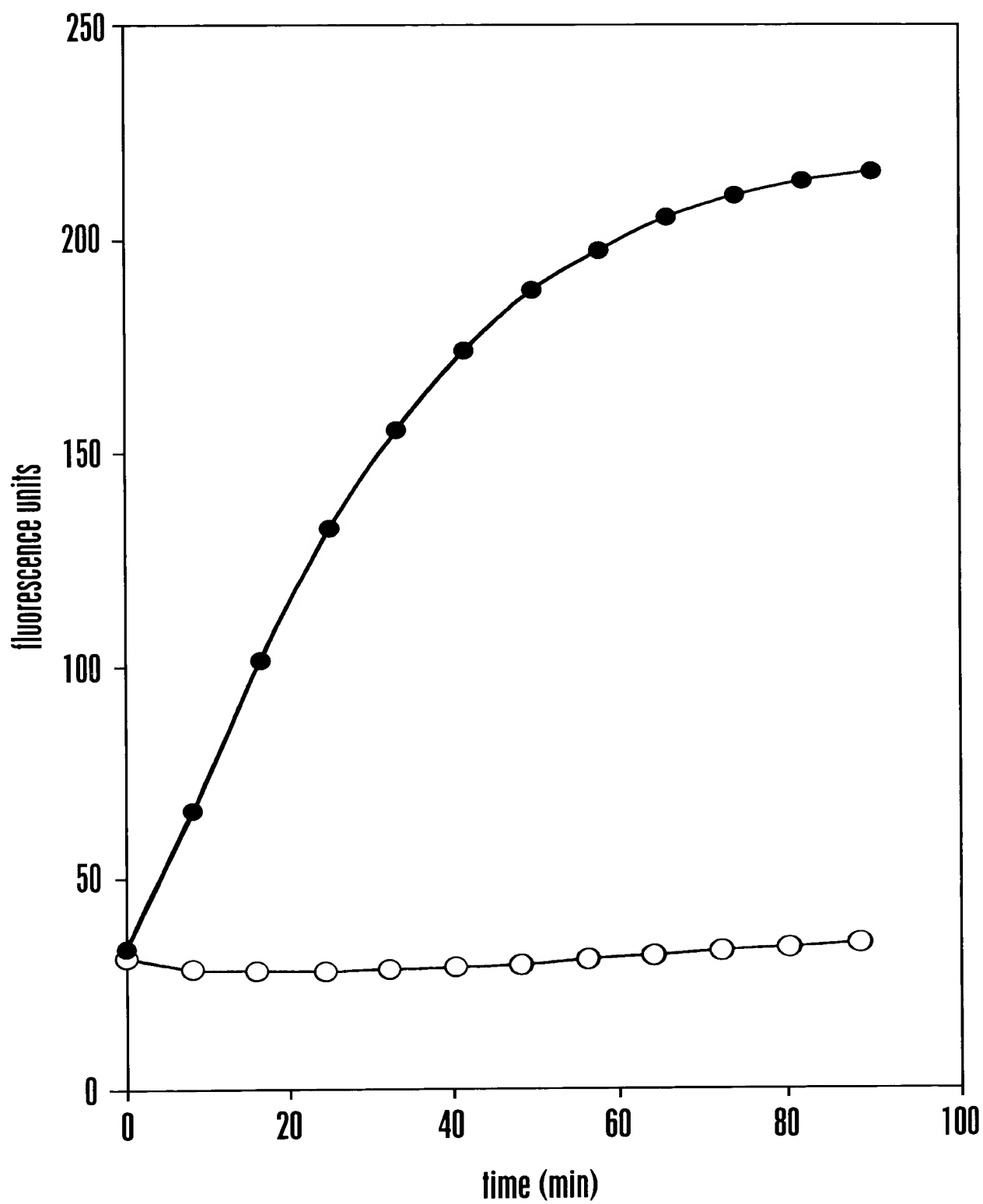


Figure 5

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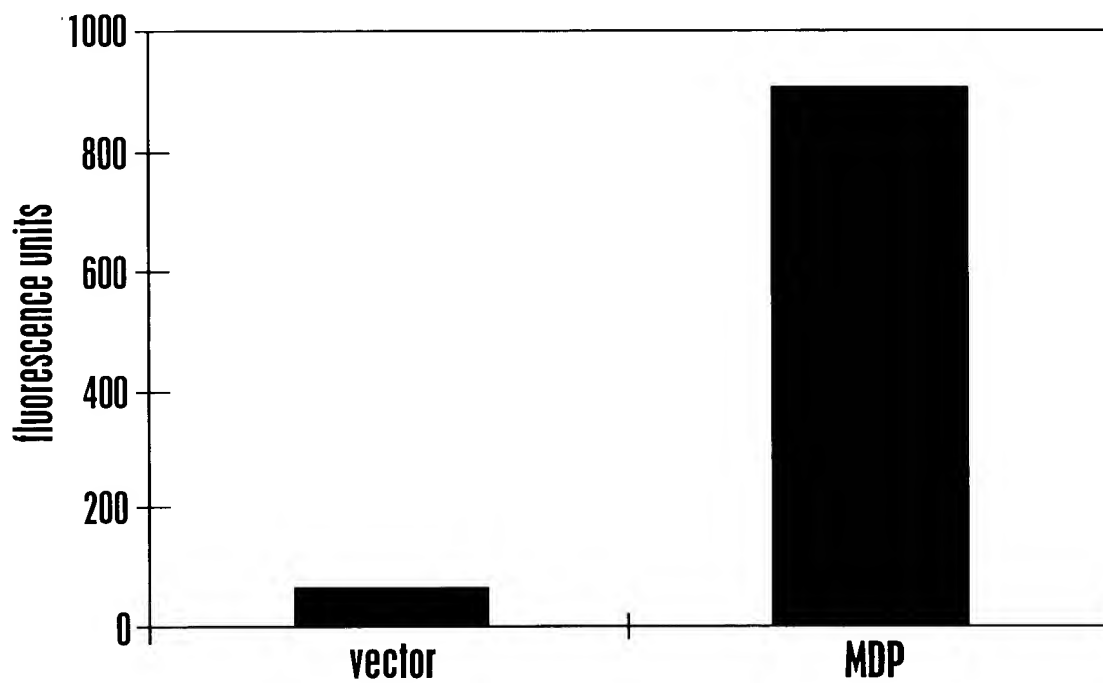


Figure 6A

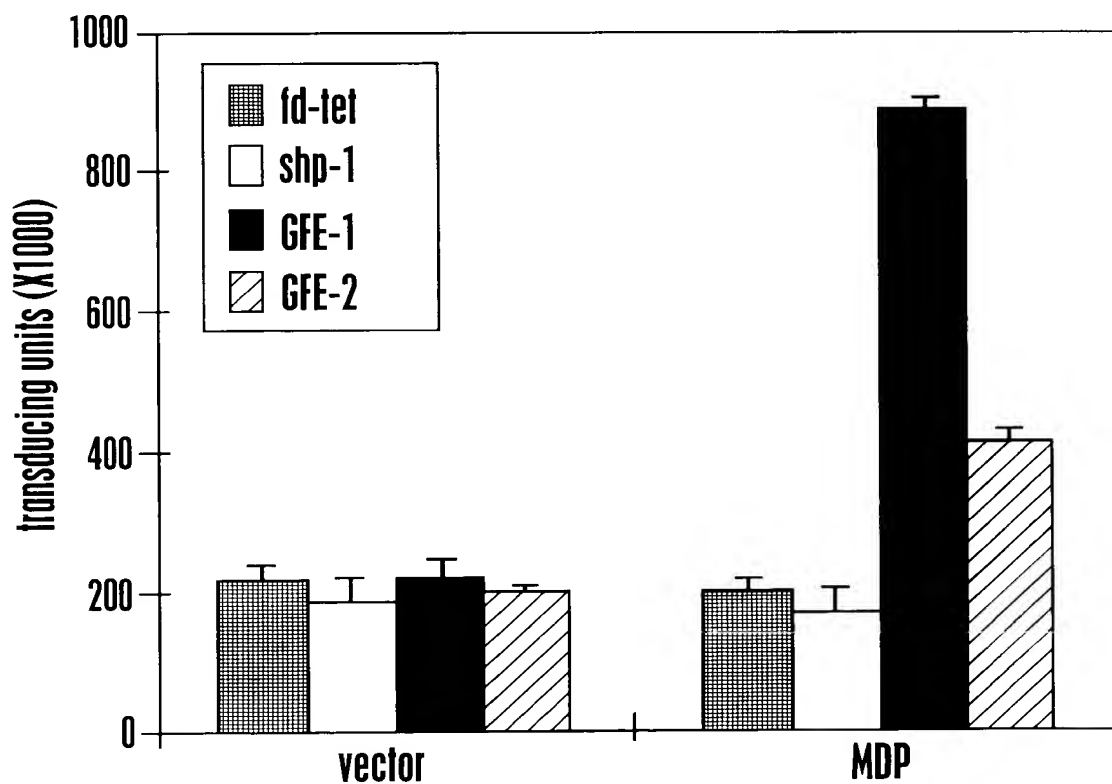


Figure 6B

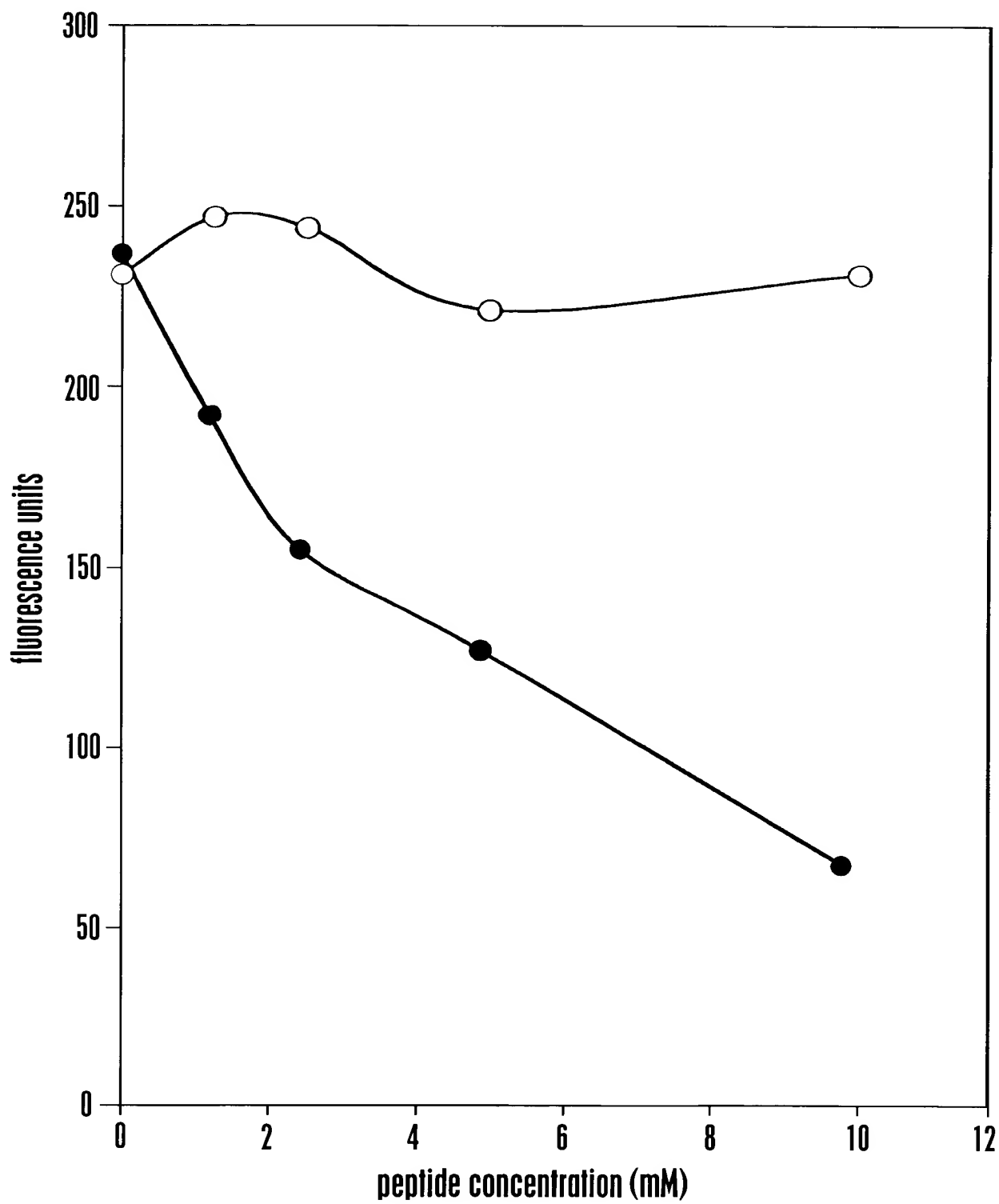


Figure 7



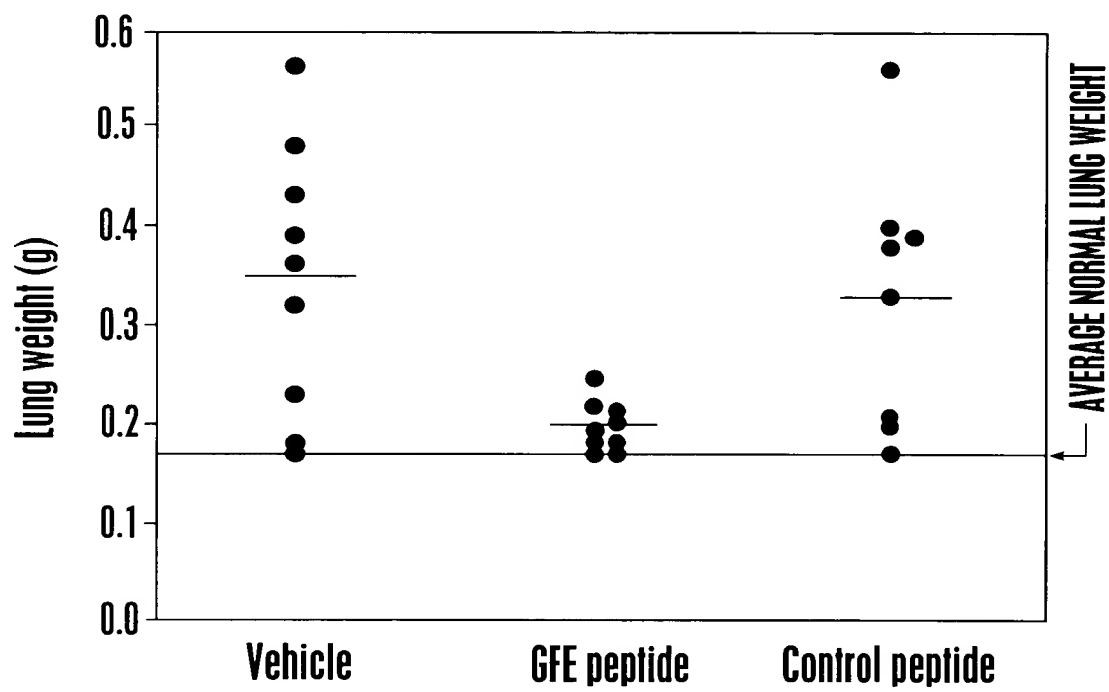


Figure 8

-16 1 84  
 HUM MWSGWLLWLSLVAVCTADFFRDEAERIMRDSPIVIGHNDLPWQLLDMFNNRLQDERANLTTLAGHTHTNIPKLRAGFVGGQFUSVYTPCDTQNKDAVRRILE  
 PIG MUTSWULWPLVAVCAADQFRDLAVRIMQDTPVIDGHNDLPWQLLNLFNNQLQDPGANLSSLAHTHTNIPKLRAGFVGGQFUSAYVPCDTQNRDAVKRILE  
 RAT MLIWUWFUSLLAICASDSFRNQAEIMRTTPVIDGHNDLPWQMLTLFNNQLRKSEANLSALAEHTHTNIPKLRAGFVGGQFUSAYMPCDTQNKDAVKRILE  
 MOU MVIWUWFUSLLAICASDSFRDQAVAIMRTTPVIDGHNDLPWQLLNLFNNQLLRPDADLNKLQHTHTNIPKLRAGFVGGQFUSAYMPCDTQNKDAVKRILE  
 RAB MUTSWULWPLVAVCTADSFLDQAVQILRVTPVIDGHNDLPWQLLNKFNNRLQDSRANLTVLADHTHTNIPKLRAGFVGGQFUSAYTPCDTQNKDTVRRILE  
 184  
 HUM QMDVVHRMCRMYPETFLYVTSSAGIRQAFREGKVASLIGVEGGHSIDSSSLGVLRALYQLGMRYLTLTHTSCNTPWADNULVDTGDSQPQSGGLSPFGQRVV  
 PIG QIDVIQRMCAYPETFACVTSSGTIRQAFREGKVASLVGVEGGHSIDSSSLGVLRALYHLGMRYMTLTHTSCNTPWADNULVDTGDDKAQSQGLSHFGQSVV  
 RAT QIDVIHRMCQLYPETFEVCVTNSSDILQAFRRGKVASLIGVEGGHLIDSSSLGVLRTLYHLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSPFGKLV  
 MOU QMDVIHRMCQLYPETFMCVTNSSDILQAFRRGKVASLIGVEGGHLIDSSSLGVLRTLYHLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSPFGKRL  
 RAB QMDVVHRMCQLYPETFLCVTDSAGIQAFREGKVASLIGVEGGHSIDSSSLGVLRALYRLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSPFGQRVV

Figure 9A

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HUM KELNRLGVLLIDLAHVSVA<sup>+</sup>TMKATLQLSRAPVIFS<sup>+</sup>HSSAYSVCASRRNVPDDVLRLVKQTDLSLMVNFYNNYISCTNKANLSQVADHLDHIKEVAGARAVG  
PIG KEMNRLGVMTIDLAHVSVA<sup>+</sup>TMRAALKLSQAPVIFS<sup>+</sup>HSSAYS<sup>+</sup>SLCPHRRNVPDDVLQVKETGSLVMVNFYNDYVSCSAKANLSQVADHLDHIKKVAGAAAVG  
RAT NEMNRLGVMTIDLSHVSVA<sup>+</sup>TMKDALQLSKAPVIFS<sup>+</sup>HSSAYS<sup>+</sup>SLCPHRRNVPDDVLQVKSTNSLVMVNFYNDYVSCSDSATLSQVADHLDHIKKVAGAGAVG  
MOU NEMTRLGVMIDLSHVSVA<sup>+</sup>TMKDALQISRAPVIFS<sup>+</sup>HSSAYS<sup>+</sup>SLCPHRRNVPDDVLQVKNTSSSLVMVNFYNDYVSCSDSATLPQVADHLDHIKKVAGAGAVG  
RAB REMNRLGVMTIDLAHVSVA<sup>+</sup>TMKAALQLSAPVIFS<sup>+</sup>HSSAFTVCAHKNVPDDVLQVKETGSLVMVNFYNDYVSCASEATLSQVADHLDYIKNVAGAAAVR

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HUM FGGDFDGVPRVPEGLEDVSKYPDLIAELLRRNWTAEVKGALADNLLRVFEAVEQASNL<sup>+</sup>TQAPEEEEPIPLDQGGSCRTHYGYSSGASSLHRHWGLLLASLAPLVLCLSLL  
PIG FGGDYDGVSRVPSGLEDVSKYPDLVAELLRRQWTEAEVRGALADNLLRVFEAVEQASNHQVPGEPIPLGQLEASCR<sup>+</sup>TNYGY-SAAPSLHLP<sup>+</sup>PGSLLASLVPLLL-LSLP  
RAT LGGDYDGV<sup>+</sup>TNLPVGLEDVSKYPDLIAELLRRNWTETEVRGLLAENLLRVFS<sup>+</sup>AVELVSSNMQVPEEETIPVEKLDGSCRTFYGH-SRAPSIHLQIGALLASLVSFSLHPL  
MOU LGGDYDGV<sup>+</sup>TMLPVGLEDVSKYPDLIAELLRRNWTETEVRGLLAENLLRVFSEVELVSSNMQSP<sup>+</sup>EEVPITLKELDGSCRTYGY-SQAHSIHLQ<sup>+</sup>TGALVASLASLLFRLHLL  
RAB FGGDFDGV<sup>+</sup>TRLPVGLEDVSKYPDLVAELLRRGWTEAEVRGALAE<sup>+</sup>NLLRVFREVEQVSNQAVPEEEPISELEQGGSCRTQYGY-SEAPSLHRRPGALLASL<sup>+</sup>LLSLGLL

Figure 9B